

VOC Emission Standards for Medium Lithographic Printers		
Material	Non-heatset Offset Lithographic printing	Heatset Web Offset Lithographic printing
Printing Ink	Not applicable	$\geq 90\%$ destruction of VOCs, or outlet concentration of $\leq 20$ ppmv as Carbon.
Fountain Solution	Webfed presses: $\leq 5\%$ VOC by weight (bw) and no restricted alcohol $\leq 13.5\%$ VOC bw if printing on metal or plastic and refrigerated  Sheetfed Presses: $\leq 5\%$ VOC bw if not refrigerated $\leq 8.5\%$ VOC bw if refrigerated $\leq 13.5\%$ VOC bw if printing on metal or plastic, contains restricted alcohol and refrigerated	$\leq 1.6\%$ VOC bw if not refrigerated $\leq 3\%$ VOC bw if refrigerated $\leq 5\%$ VOC bw and no restricted alcohol $\leq 13.5\%$ VOC bw if printing on metal or plastic, contains restricted alcohol and refrigerated
Press clean-up solvents	$\leq 30\%$ VOC bw Or $\leq 10$ mm Hg vapor pressure at 68°F	$\leq 30\%$ VOC bw or $\leq 10$ mmHg vapor pressure at 68°F

**NOTE:** Fountain solution standards may be calculated on a monthly rolling basis. See the example calculation in the **Cyan Ink Room**.

Calculation examples in the **Cyan Ink Room** section of this workbook include fountain solution averaging and material VOC content and vapor pressures.

VOC Emission Standards for Other Medium Printers		
Material	Gravure, flexographic printing	Screen printing
Printing Ink	(1) Volatiles in ink $< 25\%$ VOC by volume (bv) and $\geq 75\%$ bv of water; OR (2) ink, minus water, $\geq 60\%$ nonvolatile material by volume; OR (3) $\geq 90\%$ destruction of VOCs bw, and overall control $\geq 75\%$ for publication rotogravure, $\geq 65\%$ for packaging rotogravure, or $\geq 60\%$ for flexographic.	$\leq 400$ g VOC/l (3.3 lbs VOC/gal)
Special Purpose Inks and Coatings	Not applicable	$\leq 800$ g VOC/l (6.7 lbs VOC/gal)
Other Coatings	Not applicable	$\leq 400$ g VOC/l (3.3 lbs VOC/gal)
Screen reclamation activities	Not applicable	$\leq 0.050$ pounds VOC per square foot of screen reclaimed, averaged daily